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FIG. 2 is a schematic diagram of the circuit of FIG. 1, showing the internal structure of the circuit.

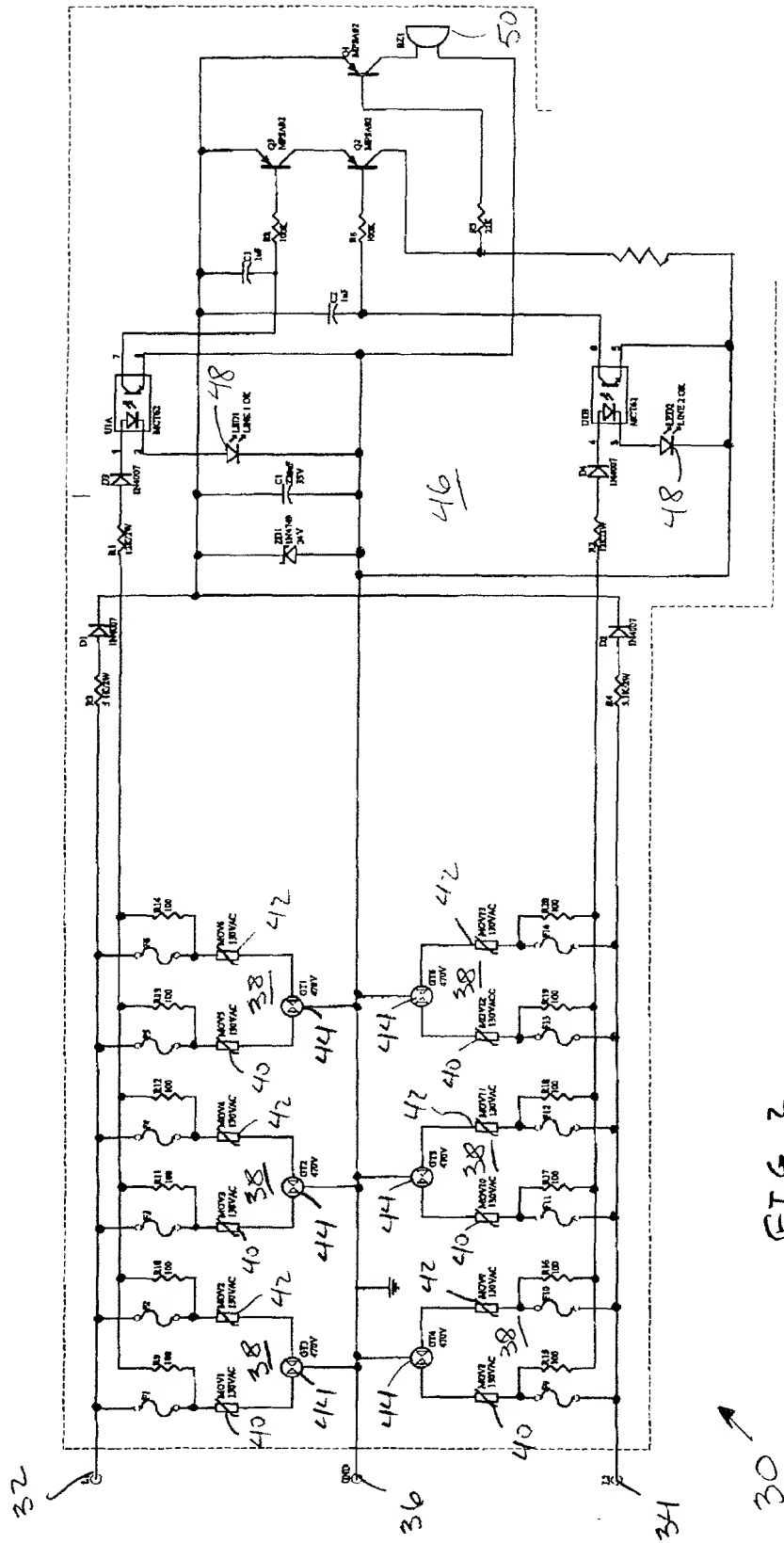
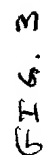
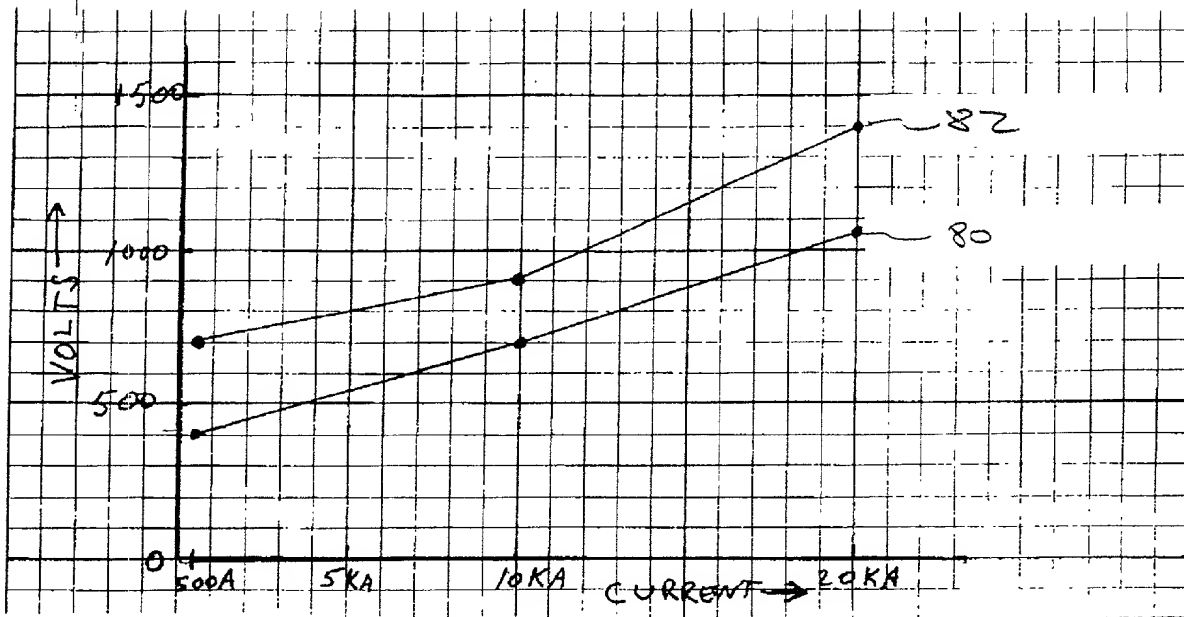


FIG. 2





TEST CURRENT>	500A	10,000A	20,000A
OLD DESIGN	700V	900V	1400V
NEW DESIGN	400V	700V	1050V

FIG. 4